Table of Contents

GENERAL ...........................................5
HMHS Graduation Course Requirements ............6
University and Technical College Requirements .6
Guidelines for Preparing for a Technical College ..6
Guidelines for Preparing for a University ......6
Planning Your Journey – Before You Begin .......7
Career Planning ......................................7
Options After High School .........................7
Technical Colleges/Apprenticeships ..............7
Two-Year Universities ..............................7
Four-Year Universities ............................7
Military .............................................7
Combining Career Pathways .......................7
Career Exploration ...................................8
Transcripted Credit (TC): ..........................9
CAPP Classes .....................................9
ART ....................................................10
Foundations of Art A (091) ........................10
Foundations of Art B (0912) .......................10
2 Dimensional Art A (092) ........................10
2 Dimensional Art B (0921) .......................10
3 Dimensional Art A (093) ........................10
3 Dimensional Art B (0931) .......................10
The Art of Graphic Design (098) .................11
Art in the School (095) ............................11
The Art of Cartooning (099) ......................11
Senior Portfolio (090) New for 2020-21 .........11
BUSINESS EDUCATION ............................12
Computer Essentials I (180) ......................12
Computer Essentials 2 (181) .....................12
Web Design (182) ................................12
Oriole TV (165) ..................................12
INCubatorEdu (169) ...............................13
Business Management (Oriole Outfitters) (168) 13
Business Principles (152) ........................13
Accounting (154) ................................13
Advanced Accounting (155) .....................13
Personal Financial Management (158) ........14
Digital Media Design (160) ......................14
Advanced Digital Media Design (161) ........14
Computer Repair (164) ...........................14
Independent Study Computer Repair (1641) ....14
ENGLISH .............................................15
Required Courses ..................................15
English 9 (031) ..................................15
English 10 (032) ..................................15
Elective Courses ..................................15
Short Stories (039) ................................15
Dramatic Literature (040) .......................15
Creative Writing (041) ..........................15
College Preparatory Courses .....................15
American Literature (033) .......................16
World Literature (034) ..........................16
Contemporary Literature (043) .................16
English Composition 1 (044) ....................16
Written Communication (037) ..................16
CAPP English Classes ...........................17
CAPP Composition (035) .......................17
CAPP Modern American Literature (036) .....17
CAPP Intro. to Public Speaking (038) .........17
FAMILY AND CONSUMER SCIENCES ..........18
Creative Sewing & Design (115) .................18
Advanced Creative Sewing & Design (116) ....18
ECE: Health, Safety and Nutrition (119) .......18
Foundations of Early Childhood
Education/Assistant Childcare Teacher (1192)
(ACCT Certifying Course) .......................18
Basic Food Preparation Skills (111) ..........18
Culinary Arts (109) ................................19
Advanced Culinary Arts (110) ..................19
Independent Study in Culinary Arts (107) ....19
Hospitality Foods (108) .........................19
FOREIGN LANGUAGE ................................20
Spanish 1 (081) ..................................20
Spanish 2 (082) ..................................20
Spanish 3 (083) ..................................20
Spanish 4 (085) ..................................20
Spanish 5 (086) ..................................21
Espanol para los Hispanohablantes (087) .....21
MATHEMATICS ....................................22
Algebra (005) ....................................22
Geometry (006) ..................................22
Algebra II (007) ..................................22
Pre-Calculus (008) ...............................23
Calculus (009) ...................................23
Probability and Statistics (010) ...............23
College Intermediate Algebra (0151) ........23
CAPP Pre-Calculus (011) .......................24
CAPP Calculus I (012) ..........................24
CAPP Calculus II (013) .........................24
MUSIC ................................................25
Oriole Band (100) ................................25
Symphonic Band (101) .........................25
Concert Choir (102) .............................25
Jazz Band (103) ..................................25
Pop Music History (105) .......................25
PHYSICAL EDUCATION AND HEALTH .......26
Required Courses ..................................26
Health 9 (076) ...................................26
Physical Education 9 (071) ......................26
Elective Courses ..................................26
Athletic Strength and Speed Training (075) ....26
COURSES

PROJECT LEAD THE WAY FOUNDATION

TECHNOLOGY EDUCATION

SOCIAL STUDIES

SCIENCE

Required Courses

Physical Science (016) .................................................. 29
Biology (017) .............................................................. 29
Elective Courses

Environmental Science (018) ........................................... 29
Geology (027) .............................................................. 29
College Preparatory Classes

Chemistry (019) ............................................................ 29
Advanced Chemistry (023) ............................................. 29
Physics (021) .............................................................. 30
Anatomy and Physiology (022) ....................................... 30
Medical Terminology (025) ............................................. 30
Biotechnology (026) ....................................................... 30

SOCIAL STUDIES

Required Courses

United States History (046) ............................................. 31
World Studies (047) ...................................................... 31
American Government (048) ......................................... 31
Elective Courses

Cultures and the World (049) .......................................... 31
The Wild Wild West (056) ............................................. 31
College Preparatory Classes

Contemporary Issues (064) ............................................. 32
Sociology (051) ........................................................... 32
Advanced Sociology (052) ............................................. 32
Psychology (053) ......................................................... 32
Advanced Psychology (054) ......................................... 32
Introduction to Criminal Justice (063) ............................ 32
AP United States Government and Politics/State and Local Government (061) .................................................... 33
AP Psychology (0541) .................................................. 33
Advanced Placement (AP) Exams .................................. 33

TECHNOLOGY EDUCATION

Welding and Manufacturing (125) .................................. 34
Welding and Fabrication (128) ....................................... 34
Metal Art (140) ............................................................ 34
Wood Technology I (129) ............................................. 35
Wood Technology II (130) .......................................... 35
Woodworking 3 (1301) .................................................. 35
Building Construction and Maintenance (1302) .................. 35
Introduction to Technology and Manufacturing (1431) ......... 36
Mechanics I – Small Engines (138) ................................ 36
Technical Problem Solving for Engineering (TPSE) (127) .... 36

PROJECT LEAD THE WAY FOUNDATION COURSES .............................. 37

3 | HMHS Course Description Book
Notice of Nondiscrimination Policy
The School District of North Fond du Lac

In compliance with the Executive Order 12246; Title II of the Education Amendments of 1976; Title VI of
the Civil Rights Act of 1964, as amended by the Equal Employment Opportunity Act of 1972, Title IX
Regulation Implementing Education Amendments of 1972; Section 504 of the Rehabilitation Act of 1973
and the Age of Discrimination Act of 1975 and all other federal, state, school rules, laws, regulations, and
policies, the North Fond du Lac school District shall not discriminate on the basis of sex, age, race, color,
national origin, religion or handicap in the education programs or activities which it operates and in
employment.

It is the intent of the North Fond du Lac School District to comply with both the letter and the spirit of the
law in making certain discrimination does not exist in its policies, regulations and operations. Complaint
procedures for Title IX, Title VI and Section 504 have been established for students, their parents and
employees who feel the District has shown discrimination.

Specific complaints of alleged discrimination under Title IX (sex), Title VI (race), and/or Section 504
(handicap) should be referred to the appropriate Equal Opportunity Office below:

Adam Broten
225 McKinley Street
North Fond du Lac, WI 54937
Telephone (920) 929-3754

Title IX, Title VI, and Section 504 complaints can be filed with the office below:

Office for Civil Rights - Region V
300S Wacker Drive - 8th floor
Chicago, Illinois 60600
Telephone: (312) 353-2520

All students attending The School District of North Fond du Lac may participate in education programs and
activities, including, but not limited to, health, physical education, music education, vocational and technical
education, homemaking, trades and industrial education, business and office education, etc.

The School District shall not discriminate in admissions to any school, class, program or activity on the basis
of sex, race, national origin, ancestry, creed, pregnancy, parental or marital status, sexual orientation, or
physical, learning, emotional or mental disability.
**GENERAL**

All students will carry a minimum of 6 credits per year. Post-secondary educational options Early College Credit Program (UW System) or the Start College Now Program (Technical College) (formerly Youth Options) may be included with permission as part of the minimum. The difficulty of the subject should be considered as well as the number of subjects taken during the time you are in high school. Any required class that a student fails for a semester will have to be made up in order to receive credit towards graduation. A diploma will be granted after completing four years of work, which includes 15.50 credits of required courses and 8.5 credits of elective courses. Twenty four total credits are required for graduation.

This booklet has been designed to give students and parents an overview of the courses offered. The booklet presents both required and elective courses as well as the prerequisites.

Where the demand of a class exceeds the space available, seniors and juniors will receive priority.

Please choose your subjects carefully. On the basis of your selection, the high school schedule is developed and teachers are assigned, limited only by space, time, and space availability. (The subjects you select are reserved for you. Do not register for a course you do not intend to take.) Be certain to sign up for classes needed for high school graduation requirements as well as post-secondary admission requirements.

Requests for program changes may not be honored after final registration (the last day prior to March 31st). Changes require an add/drop form to be completed.

*Course changes related to teacher preference will not be honored.

*Any course alterations caused by the behavior of the student could result in the student receiving a grade of “F” at the next grading date.

**RANK IN CLASS DETERMINATION**

Rank in class is generally used as one indicator of scholastic achievement. It is used primarily as part of a college admission application, scholarship competition, and is also used to determine class valedictorian/salutatorian. Class rank is determined by using a cumulative grade point average system. A grade point average is determined by using the numerical value assigned to each letter grade as listed in the student handbook. A grade point average is calculated using the summation of these values and dividing by the total number of credits. The cumulative grade point average is updated at each semester grading period and is listed on the report card. Students can find out where his/her G.P.A. ranks in numerical order in the class by contacting the high school counselor after a semester grading period. Grades for the first 7 semesters 9-12 will be used to determine class rank for graduation.

In order to be eligible to participate in the graduation ceremony students must complete graduation requirements within four years.

If a student has any problems or doesn’t understand the work, an appointment should be made to see the teacher for extra help. Parents are encouraged to contact teachers with any concerns they have about their children and the progress they are making. Family Access is a tool for parents to view grades and homework assignments. Parents are encouraged to go to our website and log into Family Access.
**HMHS Graduation Course Requirements**

<table>
<thead>
<tr>
<th>Required Classes</th>
<th>Required Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4.0</td>
</tr>
<tr>
<td>Social Studies</td>
<td>3.0</td>
</tr>
<tr>
<td>Math</td>
<td>3.0</td>
</tr>
<tr>
<td>Science</td>
<td>3.0</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1.5</td>
</tr>
<tr>
<td>Health</td>
<td>0.5</td>
</tr>
<tr>
<td>Personal Fin Mgt.</td>
<td>0.5</td>
</tr>
<tr>
<td>Electives</td>
<td>8.5</td>
</tr>
</tbody>
</table>

**Guidelines for Preparing for a University**

<table>
<thead>
<tr>
<th>Curricular Area</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4.0</td>
</tr>
<tr>
<td>Mathematics-Beginning with Algebra</td>
<td>3.0*</td>
</tr>
<tr>
<td>Science</td>
<td>3.0*</td>
</tr>
<tr>
<td>Social Studies</td>
<td>3.0</td>
</tr>
<tr>
<td>Wellness Education</td>
<td>1.5</td>
</tr>
<tr>
<td>Health Education</td>
<td>0.5</td>
</tr>
<tr>
<td>World Language</td>
<td>2.0**</td>
</tr>
</tbody>
</table>

The UW System requires a minimum of 17 high school credits distributed as follows: 13 credits from the core areas and an additional four credits chosen from English, Math, Social Studies, Science, Electives, and World Languages. In general, degree granting institutions in the United States, including all Wisconsin public and private colleges and universities, will not accept basic level courses as fulfilling entrance requirements.

Check with counselors since it is impossible to summarize the wide variety of entrance requirements for colleges in this small space. Careful planning and informed decision making are essential to match students with courses which will provide suitable challenge and growth experiences. It is realistic to plan a schedule which totals 24-28 credits for graduation and may include Advanced Placement courses, CAPP courses, Early College Credit or Start College Now Program (formerly Youth Options).

<table>
<thead>
<tr>
<th>Curricular Area</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4.0</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3.0</td>
</tr>
<tr>
<td>Science</td>
<td>3.0</td>
</tr>
<tr>
<td>Wellness Education</td>
<td>1.5</td>
</tr>
<tr>
<td>Health Education</td>
<td>0.5</td>
</tr>
<tr>
<td>World Language</td>
<td>2.0**</td>
</tr>
</tbody>
</table>

Electives in these areas will usually include courses in Business and Information Technology, Family and Consumer Science, Technology and Engineering, other applied English, Math, Science areas. For some students in these areas, Youth Apprenticeship and Start College Now Program courses through MPTC may be options.

Technical colleges tend to accept all applicants. Skill levels in reading and math will be measured by taking placements tests. Some Technical College programs have entrance requirements that are unique to their programs. Please see your Counselor for details.

*3 credits of college prep Math and Science are required to ensure access to College. Some private schools may require less than 3 credits of math and science.

**A world language may or may not be required. The university you attend and major declared will determine if a world language is required. This world language requirement can be fulfilled in high school by taking two years of a foreign language with a grade of “C” or better in all semesters.
**Planning Your Journey – Before You Begin...**

Throughout the Course Description Guide, you will see an increased emphasis on career exploration and development. As you engage in the process of making career decisions, it is important that you understand the purpose and expectations of the technical colleges, university system, and other career pathways.

**Career Planning**

Regardless of the career pathway chosen by each student, careful planning must be done. Students need to learn about their interests, abilities, strengths and limitations. Students need to set personal goals and work hard to reach them.

There are many opportunities at Horace Mann High School to learn about careers. Students their junior year are asked to complete a job shadow.

**Options After High School**

**Technical Colleges/Apprenticeships**

Technical colleges & apprenticeships provide students with specialized skills. Once thought of as institutions that served the needs of only the mechanically inclined, the technical college has evolved to meet the needs of business and industry in a variety of well-paying occupations. Students may enroll in associate degree or vocational training programs that can be completed in two years or less. Apprenticeship Programs which range from 1-4 years is working while learning. Students learn mostly on the job site paired with some classroom learning. Students are encouraged to see their school counselor for specific information.

**Two-Year Universities**

Two-year universities such as UW-Oshkosh-Fond du Lac Campus provide opportunities for students to pursue an associate degree (two years) or to continue their education by transferring to a four-year campus. Generally students choose a two-year university because of the convenience of living at home and the reduced expenses. Two-year universities will consider candidates with lower grade point averages who have met the academic requirements.

**Four-Year Universities**

A degree from a four-year university provides students with both a broad base of knowledge gained through general graduation requirements, as well as very specific information obtained by specializing in a major area. Universities require that students take a minimum of 17 college preparation credits while in high school. Entrance exams are required. There are hundreds of colleges throughout the United States and each will have its own requirements. Students are encouraged to see their school counselor with specific information.

**Military**

Entering one of our Military branches: Army, Marines, Navy, or Air Force not only serves our country proudly, but also is an opportunity to be trained in many career fields. Students may do this through enlistment, ROTC, or the service academies.

**Combining Career Pathways**

Often institutions of higher learning have agreements in place recognizing the completed course work at other institutions. For example some courses taken at a technical college may transfer to a university. Students also may enroll in CAPP or AP courses.
Career Exploration
XELLO is a self-exploration and planning program that help people of all ages achieve their potential in school, career and life. One of XELLO’S main functions is career exploration. Here is how you go about accessing XELLO:

1. Students should access their school email accounts
   ~Once in click on the “WAFFLE” located in the upper right corner.
   ~Click MORE and find the Powerschool app- click it
2. Located on the left hand side click on the HIGH SCHOOL COUNSELING DEPARTMENT tab
3. Located on the main Horace Mann Counseling Page (the page that automatically comes up) click on XELLO.
   ~ Students will sign in with their google accounts by simply clicking on the student log-in.

Career Clusters and Career Pathways
Career Clusters are broad occupational groupings based on a set of common knowledge and skills, while Career Pathways are a sub-grouping of occupations and career specialties. Similar to the way Career Clusters are organized, Career Pathways are also grouped based on their requirements for a set of common knowledge and skills for career success.
EARNING COLLEGE CREDIT WHILE IN HIGH SCHOOL

Transcripted Credit (TC):
- Moraine Park courses are taught at Horace Mann High School using technical college curriculum and books.
- Horace Mann High School teachers teach the course(s).
- Moraine Park's grading policies are followed.
- A student can earn both high school credit and technical college credit.
- Require students to meet all course competencies and earn a "C" or higher toward program requirements.
- Are recorded on the MPTC transcript. (Formal college record).
- A grade of D, F or "W" can negatively impact a student’s ability to secure federal financial aid after graduating from High School.
- Credits are transferable to all schools within the Technical College System.
- A student does not pay for the credits taken in high school.
- If a student enrolls at Moraine Park, they will not have to retake the Moraine Park course(s) that they received credit for in high school.
- You can earn credits toward a technical diploma or associate degree while in high school.

CURRENT TRANSCRIPTED COURSES OFFERED FOR THE 2020-21 SCHOOL YEAR:

<table>
<thead>
<tr>
<th>HMHS course</th>
<th>Technical College Course</th>
<th>MPTC number</th>
<th>MPTC Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Art of Graphic Design</td>
<td>Design Fundamentals</td>
<td>204-112</td>
<td>3</td>
</tr>
<tr>
<td>Computer Essentials 1&amp;2</td>
<td>Microsoft Excel</td>
<td>103-180</td>
<td>2</td>
</tr>
<tr>
<td>Computer Essentials 1&amp;2</td>
<td>Microsoft Powerpoint</td>
<td>103-182</td>
<td>2</td>
</tr>
<tr>
<td>Computer Essentials 1&amp;2</td>
<td>Microsoft Word</td>
<td>103-160</td>
<td>2</td>
</tr>
<tr>
<td>Business Principles</td>
<td>Intro to Business</td>
<td>102-110</td>
<td>3</td>
</tr>
<tr>
<td>Accounting</td>
<td>Accounting 1</td>
<td>101-112</td>
<td>4</td>
</tr>
<tr>
<td>Digital Media Design</td>
<td>Beginning Photoshop</td>
<td>103-170</td>
<td>3</td>
</tr>
<tr>
<td>Culinary Arts</td>
<td>Nutrition</td>
<td>316-122</td>
<td>1</td>
</tr>
<tr>
<td>Advanced Culinary Arts</td>
<td>Cold Foods (Sandwiches&amp;Salads)</td>
<td>316-112</td>
<td>1</td>
</tr>
<tr>
<td>Hospitality Foods</td>
<td>Sanitation and Safety</td>
<td>316-147</td>
<td>1 (w/exam passed)</td>
</tr>
<tr>
<td>Welding &amp; Fabrication</td>
<td>Gas Metal Arc Welding 1 (GMAW)</td>
<td>442-357</td>
<td>2</td>
</tr>
<tr>
<td>Medical Terminology</td>
<td>Medical Terminology</td>
<td>501-101</td>
<td>3</td>
</tr>
<tr>
<td>English Composition 1</td>
<td>English Composition 1</td>
<td>801-136</td>
<td>3</td>
</tr>
<tr>
<td>Written Communication (FVTC)</td>
<td>Written Communication</td>
<td>801-195</td>
<td>3</td>
</tr>
<tr>
<td>College Intermediate Algebra</td>
<td>Intermediate Algebra</td>
<td>804-118</td>
<td>4</td>
</tr>
</tbody>
</table>

CAPP Classes

The Cooperative Academic Partnership Program sponsored by the University of Wisconsin Oshkosh provides an opportunity for eligible juniors and seniors to earn college credit in addition to the high school credit. Students must meet one of the following requirements:
1. Upper 25% of the class
2. A 3.25 GPA
3. ACT score of 24 or higher AND one of the following: GPA of 2.75+ OR class rank in the top 50 percent.

CAPP classes have a cost associated with them ($100 per credit). The District will pay half the cost. The following is an approximate cost of what the student/parent may need to pay (the cost may be reduced for students who qualify for free/reduced lunch):
- 3 college credits = $150
- 4 college credits = $200
- 5 college credits = $250

CURRENT CAPP CLASSES BEING OFFERED FOR THE 2020-21 SCHOOL YEAR:

<table>
<thead>
<tr>
<th>HMHS course</th>
<th>UW Oshkosh Course</th>
<th>University Number</th>
<th>University Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAPP Composition</td>
<td>College English</td>
<td>English 101</td>
<td>3</td>
</tr>
<tr>
<td>CAPP Intro Public Speaking</td>
<td>Intro to Public Speaking</td>
<td>Communications 96-111</td>
<td>3</td>
</tr>
<tr>
<td>CAPP Mod American Lit</td>
<td>Modern American Lit</td>
<td>English 226</td>
<td>3</td>
</tr>
<tr>
<td>CAPP Pre-Calculus</td>
<td>Pre-Calculus</td>
<td>Mathematics 108</td>
<td>5</td>
</tr>
<tr>
<td>CAPP Calculus I</td>
<td>Calculus I</td>
<td>Mathematics 171</td>
<td>5 (updated 7/29/19)</td>
</tr>
<tr>
<td>CAPP Calculus II</td>
<td>Calculus II</td>
<td>Mathematics 172</td>
<td>5</td>
</tr>
<tr>
<td>CAPP Kinesiology</td>
<td>Physical Education/Kinesiology</td>
<td>PE 105, Kinesiology 104, PE 180</td>
<td>4</td>
</tr>
</tbody>
</table>

Advanced Placement (AP) Classes

AP classes being offered at Horace Mann for the 2020-21 school year are: A.P. United States Government and Politics/State and Local Government, A.P. European History and AP Psychology. See page 38 for more AP testing opportunities. Eligible for college credit after AP Exam.
**ART**

**Please note that a $5.00 fee will be applied to all art classes**

**Foundations of Art A (091)**
Grades 9, 10, 11 and 12
1/2 Credit
*There is a $5.00 fee for this class*
This is an introductory art class that will build on your current art skills. You will be challenged and encouraged to take artistic risks with drawing, painting, and making jewelry. This class will prepare you to be successful in all of the art classes to follow. This includes, but is not limited to: drawing, painting, jewelry and mosaic work.

**Foundations of Art B (0912)**
Grades 9, 10, 11 and 12
½ Credit
*There is a $5.00 fee for this class*
A continuation of foundations 1, this classes projects will include drawing, painting, charcoal grid drawings, etched mirrors and frames.

**2 Dimensional Art A (092)**
Grades 9, 10, 11 and 12
1/2 Credit – (Painting focus)
*There is a $5.00 fee for this class*
**Prerequisite: ½ credit of Foundational Art**
This class focuses on a variety of painting approaches – watercolor, acrylic, and oil painting.

**2 Dimensional Art B (0921)**
Grades 9, 10, 11 and 12
1/2 Credit (Painting focus)
*There is a $5.00 fee for this class*
**Prerequisite: ½ credit of Foundational Art**
This course emphasizes a variation on flat surface work, including, but not limited to: drawing, batik oil pastel, batik.

**3 Dimensional Art A (093)**
Grades 9, 10, 11 and 12
1/2 Credit (Pottery & Sculpture Focus)
*There is a $5.00 fee for this class*
**Prerequisite: ½ credit of Foundational Art**
This course focuses on the 3 dimensions of art and making objects with height, width, and depth. Be ready to construct things with your hands! Projects include, but are not limited to: ceramics, geometric shapes, wood sculpture.

**3 Dimensional Art B (0931)**
Grades 9, 10, 11 and 12
1/2 Credit (Pottery & Sculpture Focus)
*There is a $5.00 fee for this class*
**Prerequisite: ½ credit of Foundational Art**
This course enables the student to work sculpturally. Projects include, but are not limited to: ceramics, architectural plans and buildings.
The Art of Graphic Design (098)
Grades 11 and 12
1 Credit - Transcribed credit through MPTC
There is a $5.00 fee for this class
Prerequisite: ½ credit each of Found. of Art & Art 2D
This course examines the elements and principles of design as a foundation for working in commercial art. Class projects teach many tricks of the trade used by graphic designers. Students use various technologies, photography, and traditional fine art materials to create original logos, graphics, and print media. Three dimensional mock ups will be made in relation to some of the projects. Exploration of art careers and the historical contributions of various societies are part of the curriculum. There is a fee attached to this course to cover the cost of printing original designs on t-shirts. A grade of “C” or better is required to earn MPTC credit.

Art in the School (095)
Grades 11 and 12
1¼ Credit
There is a $5.00 fee for this class
Prerequisite: ½ credit each of Found. of Art & Art 2D
The earliest humans painted images on cave walls 40,000 years ago. Continue the tradition by painting your artwork on the walls of our schools. Study mural artists, graffiti artists and street artists. Learn to apply design principles. Immortalize yourself through by decorating the school halls and surrounding facilities. Work on your own and on a team of artists. Class size is limited to 15 students.

The Art of Cartooning (099)
Grades 11 and 12
1 Credit
There is a $5.00 fee for this class
Prerequisite: ½ credit of Foundations of Art
This course examines the history of editorial cartoons, comic strips, caricatures, graphic novels, and animated films. Students will learn basic drawing and lettering techniques as they work to develop their own original characters, stories, and editorial statements. Student comics and editorial cartoons will be contributed to the school yearbook and newspaper as well as being published online. Our cartooning students will also have the opportunity to explore basic flip-book and stop motion animation.

Senior Portfolio (090) New for 2020-21
Grade 12
½ Credit
There is a $5.00 fee for this class. Fee may apply for various field trips.
Prerequisite: Two years of art. Teacher permission required.
This class is designed for those considering a career in the visual arts. Graphic Design, Industrial Design, Art Therapy, and other topics will be explored. Exploring the art community will be done through various field trips (fee may apply). A portfolio of student work will be the endcap to this class.
BUSINESS EDUCATION

Computer Essentials I (180)
Grades 9, 10, 11 and 12
½ Credit (offered Semester 1 only)
This course (if taken with Computer Essentials 2) qualifies for Transcripted Credit through MPTC.
In this class, you will learn the essential business production software that many employers require. Reinforce your keyboarding skills, learn appropriate ways to format various documents (reports, tables, and correspondence), improve proofreading and editing skills, create digital presentations, create simple spreadsheets and charts, and investigate careers. Explore Google applications such as Documents, Spreadsheets and Presentation as well as desktop publishing. The course is also infused with file management and electronic storage basics, ethical use of technology & working efficiently.

Computer Essentials 2 (181)
Grades 9, 10, 11 and 12
½ Credit (offered Semester 2 only)
Prerequisite: Computer Essentials 1 (or teacher approval)
This course (if taken with Comp. Essentials 1) qualifies for Transcripted Credit through MPTC.
Learn how to use software commonly used for personal and business use. You will develop skill in preparing advanced spreadsheets and databases (Excel), creating digital and using advanced word processing functions (Word). Students will have the chance to take the Microsoft Office Specialist Certification Exams (on MS Word, Excel, and PowerPoint) to showcase your skills for future employers. You’ll tackle some desktop publishing tasks including digital photo editing, ad copy layout techniques, and also become confident and versed in using Google Docs as an alternative to Microsoft Office.

Web Design (182)
Grades 11 and 12
½ Credit
Prerequisite: Computer Essentials 1 (or teacher approval)
This course is designed to teach students how to design, develop, publish and maintain a mobile responsive website. This course will allow students to apply their creativity to a variety of design principles and learn the basics of HTML, the coding language of the web to meet consumer demand. Students will use technology tools in a hands on lab setting to engage in high demand IT skills. Students will also work with local businesses to create company websites.

Oriole TV (165)
Grades 11 and 12
1 Credit
Prerequisite: Teacher Approval with application process
This is an independent course of an elite team of video production students (approximately four to seven students) that will plan, produce, edit, and publish the daily Oriole TV news for Horace Mann High School and the School District of North Fond du Lac. Student wishing to be in this team will need to interview for the “job” prior to being placed in the class. Students in this team commit to producing a quality, innovative daily news production that represents themselves and the school district well. Jobs in Oriole TV may include: Lead Anchors, Weather Anchor, Sports Anchor, Field Reporter, Lead Camera, Lead Editor, Field Camera & Support.
INCubatoredu (169)
Grades 10, 11 & 12
1 Credit
The only class where you can run a business and make thousands of dollars!
Throughout the INCubatoredu@nfdl program, students ideate, develop, and iterate their own product or service startup in and attempt to gain investment funds in a final shark-tank style pitch event. Real entrepreneurs and business experts serve as volunteer coaches and mentors guiding student teams through the processes of developing hypotheses about a business concept, testing those hypotheses, adapting, and continually learning and improving. This cycle of experimentation is combined with foundational business content such as marketing and finance. The businesses students build are real – they are not businesses cases or simulated experiences – which means students experience mistakes, take risks, and learn to pivot based on market needs.

Business Principles (152)
Grades 9 and 10
½ Credit - Transcripted Credit through MPTC
Everyone in our society comes in contact with businesses from the purchase of retail items; such as shoes and cars to special commodities; such as stocks. By taking this course the student will become better informed on many practical matters; such as, satisfying basic needs, saving and investing, learning how business is organized, the role of business in our society and our relationship to business, the banking system including personal accounts, the use of credit, and how to be a wise consumer.

Accounting (154)
Grades 10, 11 and 12
1 Credit - Transcripted Credit through MPTC
Accounting is recommended for any student considering a college business or marketing major. Accounting is often referred to as the "language of business." Along with mastering the basic principles of accounting, the students will learn how advanced accounting systems/concepts are used in various types of business. Selected problems will be completed on the computer using Excel or automated accounting.

Advanced Accounting (155)
Grades 11 and 12
½ Credit
Prerequisite: Accounting
If you liked Accounting, you’ll love this course. This one semester course reviews the procedures learned in accounting then goes into accounting procedures for a corporation. A project or practice set will be completed as well as an introduction to computerized Accounting with application problems learned in the course.

Business Management (Oriole Outfitters) (168)
Grades 11 and 12
1 Credit
Teacher Approval with application process needed.
Earn money while in school! Students in this class will manage the Oriole Outfitters. This unique, job-based course is designed for you if you are interested in a marketing/business career. As a select group of managers (approximately 4 -5 students) of two school-based operation, you will receive hands-on experiences in a retail and management environment. Students will interview for admission into this class. Management roles and duties in the class include general manager, merchandising manager, sales and promotions manager, and financial manager. This is a project/application-based class in which individual efforts and teamwork are utilized. This class will benefit you if you are interested in continued education at a technical or four-year college for business training as well as entering the workforce.
**Personal Financial Management (158)**
Grades 11 and 12
1/2 Credit

*This class is a requirement for graduation*
This is a practical business elective course designed to help students in their personal life. Topics covered will be payroll, investments including the stock market, income taxes, health, life and auto insurance, house mortgage, credit, making savvy purchases, developing a personal budget, and career and academic planning. The purpose of this class is to prepare you to be a smart consumer and to help you successfully transition to managing your own money.

**Digital Media Design (160)**
Grades 10, 11 and 12
Transcripted Credit through MPTC
1/2 Credit

This class will be responsible for production of the yearbook. During this course, students will learn to use the Adobe InDesign and Adobe Photoshop programs. You will be taught page layout and design, photojournalism, and other publishing basics.

**Advanced Digital Media Design (161)**
Grades 10, 11 and 12
½ Credit

*Prerequisite: Digital Media Design*
This class will be responsible for production of the yearbook. The students will be the editors of the yearbook and will be responsible for all phases of the yearbook. This includes page layout and design, photographing events, yearbook sales, and advertising sales.

**Computer Repair (164)**
Grades 11 and 12
1 Credit

Students in this class will learn the basics of trouble-shooting and fixing a computer. The class will be run as a technical support center for the district computers and Chromebooks. Students will learn to install and update software, run virus protections and spyware software, install and remove computer components, and write computer code. The class will also learn the basics of building their own computer.

**Independent Study Computer Repair (1641)**
Grade 12 - Teacher Approval Required
1/2 Credit

This course is for the student(s) who have already taken Computer Repair and can work independently with self-direction.

Check out the PROJECT LEAD THE WAY COMPUTER SCIENCE CLASS INFORMATION ON PAGE 37!
ENGLISH

Students need to have four credits of English total at the end of their senior year. Two of the credits will be met through English 9 & English 10. The remaining two credits will be taken as electives. One credit of English MUST be taken as a senior.

Required Courses

English 9 (031)
Grade 9
1 Credit
This is a required freshman course aimed at students attaining the fundamentals of grammar, composition, vocabulary, and literature. Fundamental grammar components include mechanics and usage. Composition includes an introduction to writing as a process. English 9 surveys the basic types of literature - short stories, novels, non-fiction, drama and poetry. The course also includes a component of research.

English 10 (032)
Grade 10
1 Credit
This is a required sophomore course that continues the fundamentals started in English 9; attaining the intermediate level of skill in grammar, composition, vocabulary, and research. Once again, the basic types of literature are surveyed: short stories, novels, non-fiction, drama, and poetry. Students will see how historical events/social climates can be transformed into literature. The course also brings in mythological concepts through stories, poetry, and Shakespeare’s A Midsummer Night’s Dream.

Elective Courses

Short Stories (039)
Grades 11 and 12
½ Credit
Prerequisite: English 9 and 10
In our examination of short stories, we will focus on the internal characteristics of stories that are commonly analyzed by literary scholars: setting, character, theme, and symbols. We will also focus on the influence of external forces: history, class, and culture. A major focus throughout the course will be the analysis of short stories as a reflection of the culture in which they are produced.

Dramatic Literature (040)
Grades 11 and 12
1/2 Credit
This course will be offered every other year (2020-21, 2023-24)
This course will explore the tradition of theater and its role in language, literature, and performance. Students will read & view plays of varying length and genre from both contemporary and classic authors. Students will expand on their creativity by creating their own one-act play from their knowledge of dramatic structure. Example texts: Antigone, Death of a Salesman and a study of Neil Simon’s work. In addition a variety of methods of acting will be explored from improv & pantomime to storytelling & play acting.

Creative Writing (041)
Grades 11 and 12
½ Credit
Prerequisite: English 9 and 10
Students will refine their creative skills through experimentations in a variety of writing exercises. The class will cover the major genres of writing including fairy tales/fables, poetry, short stories and creative non-fiction. Every class period will involve writing; either a daily activity or part of a larger assignments. In order to help develop their voices, students will experience works by established authors and poets. At the end of the course, students have the option to keep class literary journals generated by their writings.
**College Preparatory Courses**

**American Literature (033)**

Grades 11 and 12

1 Credit

This is an upper level course aimed at students attaining a comprehensive knowledge of American literature and composition skills, including vocabulary development and a furthering of literary terms analysis. Literature study will involve a chronological survey and analysis of major American historical movements and authors.

**World Literature (034)**

Grades 11 and 12

1 Credit

This is an upper level course aimed at the student attaining a comprehensive knowledge of World literature and composition skills, including vocabulary development and a furthering of literary terms analysis. Literature study will involve a chronological survey and analysis of major world historical movements and authors of each period. Composition study will involve a building upon the applications of writing as a process, as well as in polishing specific methods and styles of writing.

**Contemporary Literature (043)**

Grades 11 and 12

½ Credit

This course will be offered every other year (2019-20, 2021-22)

Fee for books required: $40

This discussion-based course will emphasize the importance of present-day authors and the themes that surround their recent works. Students will read four modern novels that deal with contemporary issues. Students will create presentations, write literature-based analyses and develop peer-focused arguments to support their perspective of these contemporary masterpieces. Last year’s texts: Ready Player One, The Latehomecomer, Belzhar, and Orphan Train.

**Transcripted Credit Courses (Dual Credit)**

The Wisconsin Technical College Articulation Program sponsored in our area by Moraine Park Technical College and Fox Valley Technical College provides an opportunity for eligible juniors and seniors to earn three college credits in addition to the high school ½ credit. A “C” minimum grade is required to earn college credits, and the credits transfer to other colleges as FVTC course credit and letter grade. Unlike CAPP classes, there is no tuition fee for students to take a dual credit articulated class. This is a cost savings of close to $450. Students will be required to pay for their instructional texts. Cost is usually less than $50. If you have any financial concerns please contact the high school Principal Ms. McGill-Freimund.

**English Composition 1 (044)**

Grade 11 and 12

½ High School Credit (3 MPTC Credits)

This course qualifies for transcripted credit through MPTC with a grade of C or better

Students will be required to pay for their instructional texts (cost is usually less than $50)

This 3 credit Moraine Park Technical College credit course is designed for students to develop knowledge and skills in all aspects of the writing process. Planning, organizing, writing, editing and revising are applied through a variety of activities. Students will analyze audience and purpose, use of elements of research, and format documents using standard guidelines. Individuals will develop critical reading skills through analysis of various written documents. Students must complete and pass all competencies (writing assignments) with a C or better to receive the MPTC credit.

**Written Communication (037)**

Grade 12

½ Credit (3 FVTC Credits)

Students will be required to pay for their instructional texts (cost is usually less than $50)

Written Communication focuses on teaching students the writing process of prewriting, drafting, and revising as it applies to the business world. Students will be expected to analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. Grammar and attention to detail will be emphasized. They will be engaged in both individual and collaborative assignments that build a variety of skills. Units will include the following: Produce email letters for a variety of audiences; produce business letters; write business documents in collaboration with others; produce business memos; create an invoice; write a set of instructions; produce a pamphlet or brochure; present a project orally; produce a visual to support at least one written or oral project or report.

**Moraine Park Course # 801-136**
**CAPP English Classes**
The Cooperative Academic Partnership Program sponsored by the University of Wisconsin Oshkosh provides an opportunity for eligible juniors and seniors to earn college credit in addition to the high school credit. Students must meet one of the following requirements:
1. Upper 25% of the class
2. A 3.25 GPA
3. ACT score of 24 or higher AND one of the following: GPA of 2.75+ OR class rank in top 50%

CAPP classes have a cost associated with them ($100 per credit). The District will pay half the cost. The following is an approximate cost of what the student/parent may need to pay (cost may be reduced for students who qualify for free/reduced lunch):
- 3 college credits = $150
- 4 college credits = $200
- 5 college credits = $250
- In addition to credit fees, students are required to pay for their literature texts. Cost is usually less than $50.

If you have any financial concerns please contact the high school Principal Mrs. McGill-Freimund.

**CAPP Composition (035)**
**Grades 11 and 12 (offered Semester 1 only)**
½ High School Credit (3 college credits)
Prerequisite: Must meet one of the requirements listed above for CAPP Classes
The Cooperative Academic Partnership Program sponsored by The University of Wisconsin at Oshkosh provides an opportunity for eligible juniors and seniors to earn College English credit in addition to the ½ credit of high school elective credit. This is a theme-based writing course, meaning all essays will focus on a common theme. Typical classroom activities will include small-group and class discussion, examining models of effective literature, critiquing drafts of each other’s papers, and presenting work to the class. Students will receive three college credits.
UW Oshkosh course; College English 101

**CAPP Modern American Literature (036)**
**Grades 11 and 12 (offered Semester 2 only)**
½ Credit (3 college credits)
Prerequisite: English 9 and 10, CAPP Composition
The Cooperative Academic Partnership Program sponsored by the University of Wisconsin at Oshkosh provides an opportunity for eligible juniors and seniors to earn college English credit in addition to the ½ credit of high school elective credit. This course surveys post-19th century American writers. We will explore how authors have responded to major issues, including war, extreme poverty, greed, and racial injustice.
UW Oshkosh course Modern American Lit. 226

**CAPP Intro. to Public Speaking (038)**
**Grades 11 and 12**
½ Credit (3 college credits)
Prerequisite: English 9 and 10
Introduction to theory and practice of communicating in interpersonal and public speaking settings. In this course we will explore the complexities of the communication process including: public speaking, listening, interpersonal attitudes, nonverbal messages, and persuasion and rhetoric. Special attention will be given to voice clarity, enthusiasm, poise, and confidence.
UW Oshkosh course Introduction to Public Speaking 96-111
Creative Sewing & Design (115)
Formerly Fashion & Clothing Construction
Grades 9, 10, 11 and 12
½ Credit
There is a $5.00 fee for this course.
There are two parts to this course. During the first part of the class students will learn about fashion and the careers related to this industry. Students will learn about developing their wardrobe, clothing care, and mending. During the second part of the course students will learn to use a sewing machine and will have the opportunity to learn about textiles and clothing construction through project work. **Students will need to provide sewing supplies for class projects.**

Advanced Creative Sewing & Design (116)
Grades 10, 11 and 12
½ Credit - this class may be taken up to 3 times
There is a $5.00 fee for this course.
Prerequisite: Creative Sewing
Students will continue to build skills in project-based assessments. Students will determine projects based on interest and work more independently. Students will need to provide supplies to complete projects.

ECE: Health, Safety and Nutrition (119)
Grades 10, 11 and 12
½ Credit - Transcribed Credit through MPTC & eligible for the DPI certificate
This course examines the topics of health, safety, and nutrition within the context of the early childhood educational setting. Topics include: governmental regulations and professional standards; planning a safe and healthy early childhood environment; planning nutritionally sound menus; examining Child Abuse and Neglect, Sudden Infant Death Syndrome (SIDS) and Shaken Baby Syndrome risk reduction strategies; incorporating health, safety, and nutrition concepts into the children’s curriculum; creating an anti-bias perspective in an early childhood settings. Successful completion of this course is a prerequisite for enrolling in the Foundations/ACCT course.

Foundations of Early Childhood Education/Assistant Childcare Teacher (1192) (ACCT Certifying Course)
Grades 11 and 12
½ Credit
Prerequisite: ECE: Health Safety and Nutrition
This course provides the basic knowledge and exploration of child development while working with children in an early childhood setting. Topics explored include: history of child development, legal and professional requirements, ages & stages of child development, positive child guidance techniques, and diversity. Students will also create lesson plans to teach in large and small group settings, learn about children’s literature and serve as positive role models while working with young children. Wisconsin State Skills Certificate can be earned as an Assistant Child Care Teacher through academic achievement, excellent attendance and contact hours with children.

Basic Food Preparation Skills (111)
Grades 9, 10, 11 and 12
½ Credit
There is a $15.00 fee for this course.
This is a course that focuses on the development of skills in food preparation and baking. Students are expected to work cooperatively to practice safety and sanitation procedures while producing a variety of foods in weekly labs. A main objective will be to learn and practice basic knife skills, common recipe procedures, use and care of equipment and appliances, conversions & basic kitchen math skills and food production for both the individual and groups. Students will also participate in catering and restaurant preparation activities.
**Culinary Arts (109)**
Grades 10, 11 and 12
1/2 Credit - Transcribed credit through MPTC
There is a $15.00 fee for this course

**Prerequisite:** Basic Food Prep
This course introduces skills in the Culinary Arts program. It will prepare learners to identify different cooking processes, operate small and large cooking equipment, and preform the basic skill to become a chef. Culinary history, nutrition, pastry techniques and are also practiced. Students will also participate in catering and restaurant preparation activities. Students pursuing a Culinary Arts Associated degree or related food service diploma in addition to individuals desiring personal enrichment in the Culinary Arts will benefit from this course as credit is articulated with Moraine Park Technical College.

**Advanced Culinary Arts (110)**
Grades 11 and 12
1/2 Credit - Transcribed credit through MPTC
There is a $15.00 fee for this course

**Prerequisite:** Culinary Arts
This course is a continuation of Culinary Arts and building on the skills learned. Topics include: meat cooking, sandwiches & salads and food garnishing. Students will also participate in catering and restaurant preparation activities. Students pursuing a Culinary Arts Associated degree or related food service diploma in addition to individuals desiring personal enrichment in the Culinary Arts will benefit from this course as credit is articulated with Moraine Park Technical College.

**Independent Study in Culinary Arts (107)**
Grades 10, 11 & 12
Teacher Approval Required
1/2 Credit
Students will work to support the Food4Thought Café. Tasks may include food preparation, customer service and other job skills.

**Hospitality Foods (108)**
(5th HOUR CLASS)
Grades 10, 11 and 12
1/2 Credit
This course can be taken for 6 consecutive semesters along with the Co-op work experience certification. Cooperative Education Food Service Skills Certificate is issued by the DPI and will entitle students to an employability certification in Food Service with completion of 90 hours in food service.

**Prerequisite:** Basic Food Preparation and teacher approval is required
This course is designed for anyone with a career interest or who is interested in exploring opportunities for wage-earning in the Hospitality industry. This course is specifically designed to meet on-the-job needs and to enhance student knowledge of the hospitality and food service industries, focusing on real-world application to the restaurant industry. Students in course work in the Food4Thought café, participating in all aspects of a restaurant. **Some outside of class hours are required.** Students will have the opportunity to take the ServSafe Restaurant Manager Exam for a fee. Successful completion of the exam will earn the student a certification and 1 credit at MPTC.
FOREIGN LANGUAGE

- Native speakers – please see counselor or Spanish teacher for placement.*

- COLLEGE PLACEMENT TESTING~
- EARN FREE COLLEGE CREDITS! –

*To ensure proper placement in college Spanish classes, most colleges offer a free placement test. Students that enroll in a college Spanish class and earn an acceptable grade will earn credits for all preceding courses. There is an opportunity to receive 3-16 FREE college credits.

**Spanish 1 (081)**
Grades 9, 10, 11 and 12
1 Credit

This course is an introduction to the Spanish language and cultures. It emphasizes high frequency vocabulary and fundamental grammar utilized in reading, writing and conversing. This course is for novice language learners with little to no prior knowledge.

**Spanish 2 (082)**
Grades 9, 10, 11 and 12
1 Credit
Prerequisite: Suggested grade of C or higher in Spanish 1

This course will further develop novice reading, writing, and conversing skills. The countries and associated cultures that are studied in depth at this level include Mexico (Yucatan Peninsula) and the Dominican Republic. The primary goal of this class is to increase the student’s vocabulary and expand the use of grammar to include the past tenses.

**Spanish 3 (083)**
Grades 10, 11 and 12
1 Credit
Prerequisite: Suggested grade of C or higher in Spanish 2

This intermediate level will continue to enhance vocabulary and increase the ability to use a variety of grammatical structures. In addition, students will be exposed to various Hispanic cultures including the country of Costa Rica. Students will acquire language through the use of stories, reading and music. The primary goal of this class is to encourage students to communicate in Spanish at an intermediate level in interpersonal situations.

**Spanish 4 (085)**
Grade 11 and 12
1 Credit
Prerequisite: Suggested grade of C or higher in Spanish 3

This advanced course will build on language acquired in Spanish 1-3. Students will continue to develop skills in speaking, listening, writing and reading. In addition, students will study the countries and associated cultures of Guatemala and Spain. The primary goal of this class is to continue to improve the student’s proficiency in interpersonal and presentational situations.
Spanish 5 (086)
Grade 12
1 Credit
Prerequisite: Suggested grade of C or higher in Spanish 4
This advanced course will focus on increasing the level of proficiency in the areas of reading, writing, speaking and listening. All verb forms will be reviewed and studied at a deeper level. Topics of study will include young adult life in Spain, Hispanic holidays, human rights, history, traditional foods and cooking. In addition, students will continue to learn about Spanish speaking countries including Chile and Mexico. Authentic materials will be used such as literature, movies and music. The primary goal of this course is to prepare students to succeed on the college placement test, thrive in college Spanish courses and promote a desire to use their language in the community (locally and globally).

Español para los Hispanohablantes (087)
(Spanish for Spanish speakers)
Grades 9, 10, 11 and 12
1 credit
Prerequisite: Native Spanish Speaker (and teacher recommendation)
This one year course is for Hispanic students who speak Spanish and would like to improve their reading and writing skills. The primary component of this class is reading. Students will read independently in Spanish daily. Additional topics include writing conventions, grammar, and the study of the Hispanic countries, specifically related to geography, music, holidays and history.
**Mathematics**

All math courses require a scientific calculator.

### Math Sequences

**9th – Algebra**

**10th – Geometry**

**11th – Algebra II**

**12th – CAPP Pre-Calculus, or Pre-Calculus or College Intermediate Algebra and/or Statistics**

**9th – Geometry**

**10th – Algebra II**

**11th – CAPP Pre-Calculus or Pre-Calculus or College Intermediate Algebra and/or Statistics**

**12th – CAPP Calculus or Calculus or College Intermediate Algebra and/or Statistics**

**9th – Algebra II**

**10th – CAPP Pre-Calculus or Pre-Calculus or College Intermediate Algebra and/or Statistics**

**11th – CAPP Calculus or Calculus or College Intermediate Algebra and/or Statistics**

**12th – CAPP Calc. 2 or College Intermediate Algebra and/or Statistics**

### Geometry (006)

**Grades 9, 10, 11 and 12**

**1 Credit**

**Prerequisite: Algebra**

This course will allow students to see the mathematical connection to shape, pattern, and properties of the real world. Topics will include reasoning and proof, types and properties of lines, types and properties of triangles and quadrilaterals, geometric transformations, similarity, introduction to right triangle trigonometry, properties of circles, and problems involving area, surface area, and volume.

### Algebra (005)

**Grades 9, 10, 11 and 12**

**1 Credit**

This course will introduce students to the fundamental rules of higher math. Topics will include properties of real numbers, solving of linear equations, graphing of linear equations and functions, linear inequalities and their graphs, systems of linear equations and inequalities, rules of exponents and exponential functions, quadratic equations, polynomials and factoring, rational numbers and their equations and functions, and numbers utilizing radicals.

### Algebra II (007)

**Grades 9, 10, 11 and 12**

**1 Credit**

**Prerequisite: Algebra, Geometry**

This course is a continuation of the algebra course, but also builds upon topics covered in the geometry class. Topics will include a review of linear functions, inequalities, and systems, and will build upon previous knowledge of polynomials, factoring, and exponents. Other topics include solving and graphing of higher degree polynomials, rational expressions, complex numbers, exponential and logarithmic functions, and thorough study of trigonometry, including trigonometric functions, solving and graphing of trigonometric functions, and trigonometric identities.
Pre-Calculus (008)
Grades 10, 11 and 12
1 Credit
**Prerequisite: Algebra II C or better recommended**
This course utilizes all topics of previously learned classes, and involves substantial work in graphing. Topics will include the sequence and series; graphing of linear functions, graphing of higher degree polynomials, linear and higher degree inequalities; logarithmic functions, analytical geometry, and trigonometric functions; right triangle trigonometry and trigonometric identities; polar coordinates; vectors and determinants; matrix mathematics; linear regression; as well as topics combinatorics and probability.

Calculus (009)
Grades 11 and 12
1 Credit
**Prerequisite: Pre-Calculus (C or better recommended)**
Topics of discussion will include limits of functions and multiple methods of solution, derivatives of functions (algebraic and trigonometric), applications of derivatives (including graphs), integration of functions and their applications, derivatives and integration of logarithms, and applications and multiple techniques of integration.

Probability and Statistics (010)
Grades 11 and 12
1 Credit
**Prerequisite: Algebra II**
The use of a graphics calculator will be required.
This course will be a project based class, intending to teach and use statistics in areas of interest to the student in real-life situations. Using class lecture, group work, and online resources, student will learn: Data Organization, including exploring data, normal distributions, data relationships, and multi-variable data; Producing Data, including designing samples, experiments, and simulating those experiments; Probability, the study of randomness, the binomial theorem, and binomial and geometric distributions; Inference (Making conclusions with confidence), including how to inference, and inference for proportions and regression, and modeling and making predictions.

College Intermediate Algebra (0151)
Grades 11 and 12
1 Credit – Transcripted Credit through MPTC
**Prerequisite: 2 credits earned of high school mathematics**
A scientific calculator is required for this class.
In partnership with Moraine Park Technical College, the Intermediate Algebra course offers high school students the opportunity to earn technical college credit while still in high school. Topics of discussion include properties of real numbers, order of operations, algebraic solution for linear equations and inequalities, operations with polynomial and rational functions, operations with rational exponents and radicals, algebra of inverse, and logarithmic and exponential functions.
**Moraine Park Course – Intermediate Algebra #804-118**

![Moraine Park Technical College Logo]
**CAPP Mathematics Classes**

The Cooperative Academic Partnership Program sponsored by the University of Wisconsin at Oshkosh provides an opportunity for eligible sophomores, juniors and seniors to earn college credit in addition to the high school credit. Students must meet one of the following requirements:

1. Upper 25% of the class
2. 3.25 GPA
3. ACT score of 24 or higher AND one of the following: GPA of 2.75+ OR class rank in top 50%

CAPP classes may have a cost associated with them ($100 per credit). If there is a cost the District will pay half the cost. **The following is an approximate cost of what the student/parent may need to pay (cost may be reduced for students who qualify for free/reduced lunch).**

- 3 college credits = $150
- 4 college credits = $200
- 5 college credits = $250

If you have any financial concerns please contact the high school principal Mrs. McGill-Freimund.

**CAPP Pre-Calculus (011)**

**Grades 10, 11 and 12**

1 High School Credit and 5 UW-Oshkosh Credits (CAPP)  
**Prerequisite:** Algebra II, UW Mathematics Placement Test and requirements for CAPP

Students will develop an understanding of the concepts, methods, and applications to ready them for Calculus. They will use the TI Graphics Calculator to enhance their understanding and effectively support their problem solving skills. Topics of discussion will include Number Patterns, Equations and Inequalities, Functions and Graphs, Polynomial and Rational Functions, Exponential and logarithmic Functions, Trigonometry (Graphs, Equations, Identities and Proofs, and Applications), and Limits. Student will be able to interpret these in their own words and be able to communicate them clearly whether written or oral.

**UW Oshkosh course number:** Mathematics 108

**CAPP Calculus I (012)**

**Grades 11 and 12**

1 High School Credit and 5 UW-Oshkosh Credits (CAPP) CREDIT changed 7/29/19 per UW OSH  
**Prerequisite:** CAPP Pre-Calculus grade C or better, or Pre-Calculus with UW Mathematics Placement Test and all the requirements for CAPP.

Students will develop an understanding of the concepts, methods, and applications of Calculus. They will use the TI Graphics Calculator and Maple Software to enhance their understanding and effectively support their problem solving skills. Topics of discussion will include Functions and Models, Limits and Derivatives, Differentiations Rules, Applications of Differentiation, and Integrals. Students will be able to interpret these in their own words and be able to communicate them clearly whether written or oral.

**UW Oshkosh course number:** Mathematics 171

**CAPP Calculus II (013)**

**Grade 12**

1 High School Credit and 4 UW-Oshkosh Credits (CAPP)  
**Prerequisite:** CAPP Calculus I grade C or better and all the requirements for CAPP

Students will develop an understanding of the concepts, methods, and applications of advanced Calculus. They will use the TI Graphics Calculator and Maple Software to enhance their understanding and effectively support their problem solving skills. Topics of discussion will include Integrals, Applications of Integration, Techniques of Integration, Further Applications of Integration, Differential Equations, parametric Equations and Polar Coordinates, Infinite Sequences and Series. Students will be able to interpret these in their own words and be able to communicate them clearly whether written or oral.

**UW Oshkosh course number:** Mathematics 172.
**MUSIC**

There will be a $50.00/year fee to use a school instrument for all band classes.

**Oriole Band (100)**
Grade 9
1 Credit
Open to students in 9th grade; this class is designed for musical growth through skill practice and performance. Students in Oriole Band will perform a variety of music as well as learn about composers, musical styles, historical aspects of music and music theory. Participation is required in small group lessons, marching band, parade performances, football and basketball games, as well as Winter Concert and Strizek Concert. Solo-ensemble participation is encouraged, but not required. **There is a $50.00/year fee to use a school instrument.**

**Symphonic Band (101)**
Grade 10, 11 and 12
1 Credit
Open to students in tenth, eleventh and twelfth grades; this class is designed for musical growth through skill practice and performance. Students in Symphonic Band will perform a variety of music as well as learn about composers, musical styles, historical aspects of music and music theory. Participation is required in small group lessons, marching band, parade performances, football and basketball games, as well as Winter Concert and Strizek Concert. Solo-ensemble participation is encouraged, but not required. **There is a $50.00/year fee to use a school instrument.**

**Concert Choir (102)**
Grades 9, 10, 11 and 12
1 Credit
This group is open to students that have a passion and desire to participate in group singing, prior singing experience is preferred. Voice lessons will be required as well as participation in all 4 graded concert performances each semester. Solo-ensemble participation is encouraged but not required. Expectations include: Participation in all required concerts each semester, weekly lessons, attendance and daily participation in classes while rehearsing.

**Jazz Band (103)**
Grades 9, 10, 11 and 12
1 Credit
**Band director’s signature required!**
This class will explore the many jazz styles including, but not limited to blues, Latin, rock, and swing. Students will learn about the fundamentals of improvisation as well as the history of jazz. Participation is required in small group lessons, marching band, parade performances, football and basketball games, the Jazz Chili Supper, solo-ensemble, as well as Winter Concert and Strizek Concert. **There is a $50.00/year fee to use a school instrument.**

**Pop Music History (105)**
Grades 11 and 12
½ Credit
This course will discuss the influence American music has had on the development of and events of the 20th and 21st century. Through discussion, performances, group work, and current media students will discover origins of different types of American music and the effect music has had on our history, society today, and the world.
PHYSICAL EDUCATION AND HEALTH

All physical education class will be CO-EDUCATIONAL. Students are expected to dress in appropriate physical education attire and participate on a daily basis. Failure to do so will result in lost participation points, parent notification, and possible removal from the class.

**Graduation requirements:** 1.5 credits, including Physical Education 9 and 1 credit is earned through taking one credit of the 5 elective courses sophomore, junior or senior year.

**Required Courses**

**Health 9 (076)**
Grade 9  
½ Credit
How does the human body work one might ask? In Health 9 we step inside the human body to discover how both the body and the mind work.

This is a required freshmen class. The Health Education objective is to facilitate the discovery of health choices that lead to healthy lifestyles. The focus will be on student learning about their 7 dimensions of wellness, safety (first-aid, CPR and AED), the human body and human growth and development, mental illness, diseases and conditions, alcohol, drugs and tobacco, and nutrition.

**Physical Education 9 (071)**
Grade 9  
½ Credit
This class focuses on fitness and teamwork. Students are exposed to an array of different activities that show them a multitude of ways to stay fit outside of school.

This required Freshman Course that is an introduction to high school physical education and gives students a brief preview of what they may want to do for their other half credit elective physical education class. Some activities may include, but are not limited to: badminton, the 7 stages of adventure (acquaintance activities, ice breakers, communication, problem solving, trust, low elements and high elements), fitness testing, cycling, tennis, circuits, cardio machines, dance/yoga/Pilates/Zumba, soccer, Frisbee golf, badminton, snowshoeing, as well as some others.

**Elective Courses**

**Athletic Strength and Speed Training (075)**
Grades 10, 11 and 12 - This class may be repeated multiple times.  
½ Credit
**Prerequisite:** Physical Education 9

Looking for that competitive edge? Do you want to gain strength, speed and power that will make you a better athlete? Become more physically fit? Break personal records you didn’t think were possible? Athletic Strength & Speed Training will be geared toward serious students who wish to increase their muscular strength and endurance in regards to specific athletic performance. This class will increase a student’s understanding, knowledge and performance of basic and advanced performance techniques. Specially designed workouts will aim to increase muscular strength and endurance, power, jumping ability, speed and agility. *This course is geared towards, but not limited to high school athletes.

**Personal Fitness and Wellness (077)**
Grades 10, 11 and 12 - This class may be repeated multiple times.  
½ Credit
**Prerequisite:** Physical Education 9

Need to get in shape? Want to become more physically fit? Feel better? Be stronger and leaner? The main purpose of Personal Fitness & Wellness is to motivate students to achieve lifetime personal fitness with an emphasis on health-related fitness components. The concept of wellness, or striving to reach optimal levels of health, is the cornerstone of this course and is exemplified by one of the course objectives: students designing their own personal fitness program as a way to develop the skills necessary to become physically fit. Students will have the opportunity to increase their muscular strength and endurance, cardiovascular endurance, flexibility and body composition through an array of fitness activities that include: CrossFit, weight training, resistance band training, circuit training, cardio machines, spin bikes, yoga, Pilates, P90X, Tae-Bo, Insanity and much more!
**Team Sports (074)**
Grade 10, 11 and 12
½ Credit

**Prerequisite: Physical Education 9**

Lace up your shoes and be ready to compete! Team Sports is a class geared to those students that like participating in games in a competitive setting. This class focuses on gameplay and strategies that enhance competition! There are a minimum of 13 different team units that will be taught throughout the semester. These activities may include, but are not limited to: Sabakiball, softball, flag football, soccer, ultimate Frisbee, speedball, volleyball, basketball, rugby, broomball, floor hockey, pickleball, and lacrosse! Game on!

**Individual Lifetime Activities (070)**

Grades 10, 11 and 12
½ Credit

**Prerequisite: Physical Education 9**

There is a fee of $30 associated with this course

Are you looking for activities that challenge you personally? You like being physically active, but not in the team setting? Individual Lifetime Fitness is a class geared towards those students that like participating and competition, but it lies solely on their skill and not others. This class will allow students more in depth exposure of golf, Frisbee golf, foot golf, biking/cycling, individual fitness workings, bowling, archery, pickleball, badminton, yard games, card games and more! Highlights of this class include field trips to Oak Green Golf Course, Adelaide Park Disc Golf Course, Biking and Canoe/Kayak Trip, and Parkway Bowling Alley!

**Adventure Challenge and Outdoor Pursuits of Fitness (078)**
(formerly Adv. & Lifetime Activities)
Grade 10, 11 and 12
½ Credit

**Prerequisite: Physical Education 9**

There is a fee of $40 associated with this course

Are you adventurous? Do you like to get your adrenaline pumping? Then Adventure Challenge and Outdoor Pursuits is for you! In this course students will be taken through the 7 stages of Adventure, which include: acquaintance activities, ice breakers, communication, problem solving, trust, low elements (low ropes course) and high elements (rock climbing, indoor climbing). There is a heavy emphasis on climbing in this class, as we expand on previous climbing experiences and involve all of our available climbing challenges! In addition, a field trip to Adventure Rock Climbing Gym offers an opportunity to climb at a premier indoor climbing gym.

In addition to Adventure, this class will explore various outdoor pursuits available in the state of Wisconsin! An exploration into Wisconsin State Parks brings us to activities such as hiking/walking, outdoor cooking, and a State Park Project. These units are highlighted by field trips to Wisconsin State Parks to experience canoeing/kayaking, hiking (vigorous), cooking and more! The winter season brings us outdoors to try out snowshoeing and other possible winter activities!

Other activities that may be included in this class (but not limited to) are Advanced Archery, Card games, geocaching or more!
CAPP KINESIOLOGY (PHY ED)
The Cooperative Academic Partnership Program sponsored by the University of Wisconsin at Oshkosh provides an opportunity for eligible sophomores, juniors and seniors to earn college credit in addition to the high school credit. Students must meet one of the following requirements:
4. Upper 25% of the class
5. 3.25 GPA
6. ACT score of 24 or higher AND one of the following: GPA of 2.75+ OR class rank in top 50%.
CAPP classes may have a cost associated with them ($100 per credit). If there is a cost the District will pay half the cost. The following is an approximate cost of what the student/parent may need to pay (cost may be reduced for students who qualify for free/reduced lunch).
- 3 college credits = $150
- 4 college credits = $200
- 5 college credits = $250
If you have any financial concerns please contact the high school principal Mrs. McGill-Freimund.

CAPP Kinesiology (080)
Grades 11 and 12
½ High School Credit (4 College Credits)
CAPP Kinesiology consists of three UW-Oshkosh courses combined into a semester phy. Ed. course.

Physical Education 105 The Active Lifestyle (2 college Credits) A contemporary examination of the effects of lifestyle, wellness, and health promotion on the individual. Instruction in procedures for self-evaluation as well as an individualized exercise program for the development of health fitness. Participation in a planned program of aerobic activity is required. This course meets the two unit (cr.) physical education requirement.

Kinesiology 104 – AED, CPR and First Aid (1 College Credit) This course will prepare students to use an Automated External Defibrillator, perform Cardiopulmonary Resuscitation, and First Aid. Students will come away with their CPR/First Aid/AED Certification that is valid for two years. Special fees may apply.

Physical Education 180 Beginning Archery Skills (1 College Credit) The purpose of this course is to introduce students to beginner archery techniques and skills associated with archery programs. An emphasis will be placed on safety, conservation, and hands-on experiences.
Any students planning on continuing their education after high school are strongly urged to take as much science as possible while at Horace Mann High School.

Required Courses

Physical Science (016)
Grade 9
1 Credit
This is a laboratory-oriented first-year course in the physical sciences—the study of the interactions of matter and energy in our world. Students will be involved in general learning skills of observation, reasoning, experimental techniques, analyzing data and communication. This course fulfills the requirement of one credit of physical science for graduation.

Biology (017)
Grade 10
1 Credit
Prerequisite: Physical Science
This required course focuses on aspects of life science relevant to student’s lives and aligned with the state science content standards. Topics of study include: ecology, biochemistry, cells, genetics, evolution, and microorganisms. Microscope use and laboratory work are integral aspects of this course.

Elective Courses

Environmental Science (018)
Grades 11 and 12
1 Credit
Prerequisite: Physical Science and Biology
Environmental issues affect the lives of students each day - teaching students how to develop their own relationship with the environment and how to make their own decisions. This course provides in-depth coverage of environmental and Earth science concepts while helping students sharpen critical thinking and decision-making skills. Major topics addressed include: ecology, populations, water, air, land, mineral and energy resources.

Geology (027)
Grades 11 and 12
1 Credit
A $20 fee is required for this class
Geology is a course designed to introduce students to how geology affects their community and everyday life. An emphasis is placed on topics relating to natural resources, protecting the environment, geologic hazards, and understanding Earth systems. Two field trips are included in the class fee of $20.

College Preparatory Classes

Chemistry (019)
Grades 11 and 12
1 Credit
Prerequisite: Physical Science, Algebra II, and Biology. Recommendation of a C or higher.
Experimentation is the vehicle for presenting chemistry as it is today. Unifying principles are developed from experimental observation. The course asks you to participate in scientific activity and to share the excitement of discovery. The cornerstone of modern science - the development of principle from observation - is the cornerstone of this course in chemistry. This is a college prep course.
**Advanced Chemistry (023)**  
Grades 11 and 12  
1 Credit  
**Prerequisite: C or better in Chemistry**  
This college prep course is intended to extend the fundamental knowledge of chemistry that students obtained in chemistry class and to prepare students for natural science requirements in college. The emphasis will be on organic chemistry - an area of chemistry that studies hydrocarbons. A number of labs will be completed. Organic chemistry will not require as much math as did chemistry. Advanced chemistry is recommended to any student who plans on studying natural science, health, nursing, or medical fields in college.

**Physics (021)**  
Grades 11 and 12  
1 Credit  
**Prerequisite: Physical Science and Algebra II**  
In this college prep course students model physical systems and motion using math and graphing. Creative problem solving is stressed, along with the development of a more sophisticated understanding of physical concepts. Labs and demonstrations are geared toward addressing basic misconceptions about motion, forces and energy. The focus of the class is Newtonian mechanics.

**Anatomy and Physiology (022)**  
Grades 11 and 12  
1 Credit  
**Prerequisite: Biology and Chemistry**  
(Formerly Advanced Biology) Anatomy and Physiology is a two semester college prep course designed to strengthen the concepts of cellular structure and function and how these are organized into tissues and functioning organ systems. The areas covered will include: basic chemistry, cell and tissue structure/function, and the 11 systems of the human body (integumentary, skeletal, muscular, nervous, endocrine, circulatory, lymphatic, digestive, respiratory, urinary and reproductive). Laboratory work will be required, including a complete dissection of the fetal pig, sheep kidney, heart, and eye.

**Medical Terminology (025)**  
Grades 11 and 12  
½ Credits (offered Sem. 1 only)  
*Transcribed Credit through MPTC*  
The medical industry is in constant need of medical professionals, especially those with an understanding of medical terminology. Medical Terminology is the specific language used by professionals in the medical industry. Understanding medical terminology is vital when entering a number of medical professions. This course is essential for anyone entering the medical field. This course teaches medical terminology, the meaning and pronunciation of specific medical terms, including prefixes, suffixes, root words and abbreviations. Students practice formation, analysis and reconstruction of terms. Emphasizes spelling, definition and pronunciation. Introduces operative, diagnostic, therapeutic and symptomatic terminology of all body systems as well as systemic and surgical terminology.

**Biotechnology (026)**  
Grades 11 and 12  
½ Credits (offered Sem. 2 only)  
**Prerequisite: Grade of B or better in Biology or instructors approval**  
Biotechnology is a one semester course designed to introduce students to various aspects in this field including: Cell, Biology, Microbiology, Molecular Biology (both plants and animals), and Immunology. DNA analysis will be heavily discussed including its uses following the sequencing of the human genome. Other key topics include forensic science, correlating DNA with familial relationships, and identifying microbial organisms as they are evolving. The impacts of Academics, Pharmaceutical, and Biotechnology industries will be discussed including data analysis methods utilizing wet lab techniques, lab automation, and computer analysis.
SOCIAL STUDIES

**Required Courses**

**United States History (046)**
Grade 9
1 Credit
Throughout this required 9th grade course, students will learn about the time period between the Civil War and the present day by addressing historical themes and answering essential questions. Students will identify and analyze the different themes, ideas and theories and synthesize these concepts with different events in history. In doing so, student will develop the skills necessary to apply lessons learned in the past to look at the present day and into the future. This will be done through lecture, note-taking, readings, reports, discussions, debates, individual/group projects, critical thinking and the utilization of technology.

**World Studies (047)**
Grade 10
1 Credit
This is a required 10th grade course that involves the study of the developments of the past and how these developments helped to shape our world today. Units in this course will cover the areas of Prehistory, Africa, Asia, Middle East, Far East, and Western Civilizations. The study of world history will provide students with an understanding of the development of cultures and nations over the expanse of time.

**American Government (048)**
Grade 11
1 Credit
This required 11th grade course will cover American Government with the emphasis on the US Constitution, Wisconsin and local government/history. Students will gain an understanding of how the United States, Wisconsin and local governments work, who’s involved and how they can participate in government. Students will have the opportunity to take the Citizenship exam that is required before graduation in this course.

**Elective Courses**

**Cultures and the World (049)**
Grades 11 and 12
½ Credit
Students will explore different cultures and their people from around the world while looking at how the climate they live in affects them. Areas such as Europe, Asia, Africa, Oceania, and the Americas will be studied with an emphasis placed on current physical issues, such as tsunamis, volcanoes, hurricanes, etc., that are reshaping our world and society.

**The Wild Wild West (056)**
Grades 11 and 12
½ Credit
Journey with the outlaws, cowboys, lawmen and women who shaped the untamed West. Come to a time when those who wore the tin star weren’t always on the right side of the law, the bravery and strength of women began to shine, and the Native American way of life would be changed forever.
College Preparatory Classes

Contemporary Issues (064)
Formerly Current Events
Grades 11 and 12
½ Credit
Modern events and issues have dramatic effect on our world and the people living in this modern time. The focus of the course will be those issues that affect the student as a resident the World, U.S., Wisconsin, and North Fond du Lac. Daily news events will be followed and students will be expected to understand the social, political, and economic issues on a daily basis. An emphasis will be placed on examining and analyzing major contemporary issues and issues affecting society within recent history, the historical development of a contemporary issue so a connection can be made between contemporary issues and history, and analyzing and discussing the effects modern events have on individuals and groups. Students will be challenged to defend their opinions on many different issues.

Sociology (051)
Grades 11 and 12
½ Credit
This college prep course will provide an introduction to the science of group behavior; and will focus on the study of the interaction that takes place between the individual and society. Students will learn what makes each of us unique and will explore how people interact and change in certain situations. Topics of study will include childhood, adolescence, families, culture, social control, deviant behavior, social class and sociological research. A goal of this course will be to prepare the student for the further study of sociology.

Advanced Sociology (052)
Grades 11 and 12
½ Credit
Prerequisite: Sociology
This is a college prep course which continues sociological theory. In this ½ year course the topics include, but are not limited to education, inequalities in race and gender, poverty, sports, drug use, death and dying and the environment. A trip to the Illinois Holocaust Museum will be a highlight.

Psychology (053)
Grades 11 and 12
½ Credit
This is a college prep introduction to psychology course. Topics covered in this course include: the nature and history of psychology, famous psychologists and their theories, emotions, stress and health, motivation, psychological disorders and treatment, and human relations and research in psychology.

Advanced Psychology (054)
Grades 11 and 12
½ Credit
Prerequisite: Psychology
This is a college prep class continuing and building on the knowledge gained in the Psychology class. Topics covered in this course include: developmental psychology from infancy through old age, personality theory, learning and cognitive processes, the working of the mind and body, memory, states of consciousness, and social psychology.

Introduction to Criminal Justice (063)
Grades 11 and 12
½ Credit
Criminal Justice is a semester long course that explains why criminals behave the way they do by applying different theories to the actions of serial killers. The course also looks at the three main sections of the criminal justice system; Police, Courts and Corrections. We will look at the structure and progression of each division as well as explore career options within Criminal Justice. The class also includes guest speakers ranging from Military Police specializing in anti-terrorism to Detectives who worked on murder classes. Field trips to Red Granite Correctional Institution and the Fond du Lac Police Department are also scheduled when available. There will be a small fee to pay for field trips.
**AP United States Government and Politics/State and Local Government (061)**

**Grade 11**

**1 Credit** – This class can be taken as the American Government graduation requirement. Student will have the opportunity to take the State Citizenship exam that is required before graduation in this course.

This will be a one year course focusing on United States Government and Politics, state and local government. Students will have the opportunity to study college level material as they work through this course. This course will require students to complete numerous readings and assignments outside of class in preparation for discussion of material in class. Following the College Board guidelines for an AP United States Government and Politics course, students will be studying the following units in class:

1. Foundations of American Democracy
2. Interactions Among Branches of Government
3. Civil Liberties and Civil Rights
4. American Political Ideologies and Beliefs
5. Political Participation

In the weeks following the A.P. United States Government and Politics exam date, students will learn about Wisconsin government, focusing on government at the state level as well as county and other types of local government. In the spring of the school year students will be able to take the AP United States Government and Politics exam (for an additional fee). If a student earns a certain score on their exam they may be eligible to earn college credit once they go to college.

**AP Psychology (0541)**

**Grade 11&12**

**1 Credit**

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

The course is designed to prepare students to be successful (earning a 3, 4 or 5) on the National AP Psychology Examination in May. It is assumed that if the student signed up for the class that they will take the exam in May.

**Advanced Placement (AP) Exams**

If a student receives a 3, 4 or 5 on the exam it may be accepted for college credit depending upon the college they are planning to attend.

The AP composite score points are set so that the lowest raw score needed to earn an AP Exam score of 5 is equivalent to the average score among college students earning grades of A in the college course. Similarly, AP Exam scores of 4 are equivalent to college grades of A-, B+ and B. AP Exam scores of 3 are equivalent to college grades of B-, C+, and C. AP Score Qualification 5= Extremely well qualified, 4= Well qualified, 3= Qualified, 2= Possibly qualified, 1= No recommendation.
TECHNOLOGY EDUCATION

All students in a technology class will need to purchase SAFETY GLASSES (available for purchase from the teacher). Welding gloves, standard welding helmets and some auto-darkening helmets are available to the welding students to use. Students have the option to purchase their own electronic helmets and bring them to class. All Tech Ed classes have a $20 fee associated with them.

Welding and Manufacturing (125)
Grades 10, 11 and 12
½ Credit
There is a $20.00 fee for this class
This class is a prerequisite for the Welding and Fabrication Class. Welding and Manufacturing can be bypassed with instructor’s signature.
Two part class using the first nine weeks to introduce Welding, and the second nine weeks to introduce Manufacturing. This class will help students in the development of their welding skills in Welding/Fabrication class.
Welding is for those students wishing to know more about joining metals for the home, the farm, recreation, or for a future occupation in the metals field. Students will learn how to join metals using basic arc welding and oxy-acetylene welding. The student will develop and use safe and efficient work habits to set up welding equipment correctly, be able to prepare metal for welding or brazing, interpret the effects of heat on metal, read welding symbols, and successfully test weld.
Manufacturing allows students to study the operation of the vertical mill, horizontal mill, lathe, surface grinder, and casting. Students will be able to safely use all machine operations to develop and complete their projects. Considerable emphasis will be placed on reading precision measuring instruments to a + or - .005 inch. Additional skills learned will be in blueprint reading and layout.

Welding and Fabrication (128)
Grades 11 and 12
1 Credit - Transcripted Credit through MPTC
There is a $20 fee for this class
Prerequisite: Welding and Manufacturing.
This may be waived for seniors with teacher signature.
This is a contractual & articulated MPTC course for the mature student who can schedule their time and work with minimal supervision. Skills required in this course are: the safe setup and operation of all welding equipment available to students in welding lab, the preparation of metals to be welded using SMA, MIG, and TIG welding machines, and the understanding of the characteristics of mild steel, stainless steel and aluminum.
Metal fabrication is a project-centered study. Students will design and create their own project and submit specific plans to the instructor. Upon completion of this course students will have utilized and enhanced their acquired skills and knowledge from Welding, by developing and completing projects.
**Metal Art (140)**  
Grades 9, 10, 11 & 12  
½ Credit  
*There is a fee of $20.00 for this class*

This semester course will cover the basics of welding and metallurgy. Students will learn the basics of gas and electric arc welding as well as the fundamentals of metals and metallurgy. Student will first demonstrate a proficiency in welding and metal fabrication prior to designing and constructing metal art of their choosing or design. Grading will be based on welding proficiency as well as design and fabrication of the metal art.

**Wood Technology I (129)**  
Grades 9, 10, 11 and 12  
1/2 Credit  
*There is a fee of $20.00 for this class*

In this semester long course the student will study general shop safety, hand tools, and basic woodworking machines. Other units include product design and drawing, product construction, joinery, fasteners, wood characteristics and finishing. During the first semester of this course, the student will build a wood product selected by the instructor. During the second semester of this course the student will be introduced to building trades through classroom and hands-on activities. Units include foundation, floor, wall and roof systems, construction tools and machines. Extensive time is spent learning the basic skills of carpentry.

**Wood Technology II (130)**  
Grades 10, 11 and 12  
1 Credit  
*There is a fee of $20.00 for this class*

**Prerequisite:** Wood Technology I

In this yearlong course the student will review the shop safety and basic woodworking machines as well as the study of power machinery in more detail. The students will study the principles of basic furniture and cabinet construction, print reading and estimating materials. Detailed sets of plans will be available to the student to select their project(s). Project cost to student is approximately up to $35.00 depending on the project.

**Woodworking 3 (1301)**  
Grades 11 and 12  
1 Credit (can take for full year for 1 credit)  
*There is a fee of $20 (per semester) for this class*

**Prerequisite:** Wood Technology 1 & 2

This course is offered for the advanced student interested in learning lifelong skills in the area of woodworking and basic construction principles. The student will have a variety of areas of study to select from including: cabinet making, cnc working, lathe turning, carpentry, and other advanced areas. During this course students will continue to build on their knowledge in planning a project, selection and use materials, including tools and machines to produce a finished product. Emphasis will be on safety and quality of workmanship. The students will do 1 required project and then they (with direction) will select the rest. (the instructor will decide if the student has the ability for any given project.) This class is about the world of work and each student will need to be in attendance and participate fully in all activities.
Building Construction and Maintenance (132)
Grade 12, Grade 11 students will be allowed to take the class with the instructor’s approval.
2 Credits
There is a fee of $20.00 for this class
Prerequisites: Woods 1, Woods 2, and signature of the Instructor
This course gives students a basic understanding of residential building. The course begins with foundations and ends with roof systems. Students will learn proper framing techniques, tool usage, and other skills and equipment found on a typical construction site. This course will also help a person develop basic home improvement and maintenance skills such as wiring, painting, and cabinetry. Registered students who complete the class in good standing will earn the Carpenters International Training Certificate.

Mechanics I – Small Engines (138)
Grades 10, 11 and 12
Articulated with Motorcycle Mechanics Institute. Student would receive a significant tuition discount. Student also has opportunity to test out up to 5 classes.
½ Credit (offered Semester 1 only)
There is a fee of $20.00 for this class
Students develop skills in the disassembly/assembly, inspection and repair of 2 ½ - 5 horse power two and four cycle small engines. Units cover troubleshooting, parts identification, compression and valve train, ignition, fuel, cooling and lubrication systems.

Technical Problem Solving for Engineering (TPSE) (127)
Grades 9, 10, 11 and 12
½ Credit (offered Semester 2 only)
There is a fee of $20.00 for this class
This class prepares students for future technology education classes. Science and Math knowledge is applied to technology and engineering concepts. Student activities will involve designing, experimenting and constructing projects, which solve specific problems.
What are the benefits of PLTW to students?

Students in the Project Lead the Way Program will…

- Receive training in current technology using the latest computer software and equipment in use in industry.
- Participate in a hands-on activity oriented program that utilizes team efforts.
- Have the opportunity to enroll in a sequence of courses covering essential topics in technology.
- Take courses that will apply and reinforce their study of math and science.
- Participate in a program that will allow them to explore a major career path and, if they wish to continue, will prepare them for further education at a two or four year college in the field of engineering or engineering technology.
- Participate in a program that has developed articulation agreements with a number of colleges who will accept specified courses for credit or advanced placement.
- Be prepared to pursue a career in technology in a field where a national employment shortage exists and pay scales are among the highest levels for entry level professionals or technicians.

PROJECT LEAD THE WAY FOUNDATION COURSES

Introduction to Engineering Design (IED) (1451)

**Grades 9, 10, 11 and 12**

**1 Credit**

Designed for 9th – 12th grade students, the major focus of IED is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer’s notebook, and communicate solutions to peers and members of the professional community.

Principles of Engineering (1452)

**Grades 10, 11 and 12**

**1 Credit**

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

Computer Science (PLTW) (183)

**Grades 11 and 12**

**1 Credit Taught in the Business Education Department**

Designed to be the first computer science course for students who have never programmed before, ICS is an optional starting point for the (Project Lead the Way) PLTW Computer Science program. Students create interactive stories in Scratch™ (an easy-to-use programming language); work in teams to create simple apps for mobile devices using App Inventor; and analyze data about students’ health, social habits, and interests using functions in Excel®. Students will learn the impact of computing in society and the application of computing across career paths. They will also transfer the understanding of programming gained in App Inventor to a third language, Python®, in which they learn introductory elements of text-based programming.
OTHER OPPORTUNITIES

Youth Tutoring Youth (YTY)
Grades 11 and 12
½ Credit per Semester
Prerequisites: An interest in helping others, the ability to get along with others, the willingness to be supervised by a corresponding teacher in another school and an excellent attendance record at school.
YTY students provide one on one tutorial assistance to other students who are having problems with basic skills like reading, writing, spelling, math, study skills, note taking, etc. The students receiving the assistance are elementary, middle school or high school age. The paperwork for this course is available in the counseling office and needs to be completed and returned to the high school counselor no later than May 13th for the fall semester and November 11th for the spring semester. It is the responsibility of the student to get a place/teacher assignment that matches his/her schedule and that of the supervising teacher. YTY requests are not final until they have been approved.

Early College Credit Program (UW Schools)
Start College Now Program (Technical College)
(Formerly the Youth Options Program)
Grades 11 and 12
This program allows all public high school juniors and seniors who meet certain requirements (completed the 10th grade, good academic standing, no record of disciplinary problems) to take post-secondary courses at a UW institution or Wisconsin technical college. Students earn dual credit (high school and college/university credit) for courses taken. Students may enroll to attend courses that begin in the fall of 2020. Sign-up must be complete by February 26th for the fall semester and September for the spring semester.

Youth Apprenticeship Program
Youth Apprenticeship (YA) integrates Youth Apprenticeship (YA) integrates school-based and work-based learning to instruct students in employability and occupational skills defined by Wisconsin industries. Local programs provide training based on statewide youth apprenticeship curriculum guidelines, endorsed by business and industry. Students are simultaneously enrolled in academic classes to meet high school graduation requirements, in a youth apprenticeship related instruction class, and are employed by a participating employer under the supervision of a skilled mentor.
Youth Apprenticeship is a great opportunity to learn about a career pathway to determine if this career is right for you. The application process for the following year begins in January.

Advanced Placement (AP) Exams
This testing is available through the North Fond du Lac School District in approximately 20 different subject areas. It should be noted that the best way to prepare for A.P. exams is to take an A.P. course. If a student receives a 3, 4, or 5 on the exam it may be accepted for college credit depending upon the college they are planning to attend.
FOR STUDENTS WITH AN IEP

The following courses are only for students with IEP's. These courses will be recommended by the students' case manager.

Self-Advocacy (159)

1/2 Credit or 1 Credit

This course is offered to junior and senior students who have an IEP and who are interested in attending some sort of postsecondary schooling after high school or going right into the workforce. Students in this course will gain knowledge of their strengths and weaknesses while learning to be self-advocates and better communicators. They will gain knowledge of career possibilities and postsecondary options as well as how to request accommodations in those settings. Students will also gain the necessary skills to becoming an independent and employable adult.

Life Skills (502)

1/2 Credit or 1 Credit

This course requires a referral from current special ed teacher and approval (signature) from instructor.

This course will allow students with an IEP the opportunity to develop their communication skills, social skills, self-advocacy skills, community involvement, and peer interactions. Students will also work on improving the life skills they, individually, need to work on such as money skills, telling time, measurement, geography, reading, writing, etc.

Work Training and Careers (WoTaC) (499)

2 Credits

Work Training and Careers is a course for junior and senior students with an IEP. Students will participate in a combination of classroom and work site training. They will participate in career surveys, resume writing, learning job expectations and improving social thinking skills. Guest speakers and field trips will also be components of the class. The goal of this course is to prepare students to be productive members of the work force.

Community Integration and Service Learning (CISL) (498)

1 Credit (Sem) or 2 Credits (Yr)

The CISL program is designed for grade 9-12 students with intellectual disabilities at Horace Mann High School. As the name implies, the goal of the program is to get students out of the classroom and into the community where they will perform volunteer and service learning activities at places of work and community centers throughout the greater Fond du Lac area. Through hands-on experiences in the real world, students with intellectual disabilities are better able to understand the world around them and begin to find their own path with respect to post-secondary transition options.